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(21) International Application Number: PCT/IL99/00403 (22) International Filing Date: 22 July 1999 (22.07.99) (30) Priority Data: 125520 27 July 1998 (27.07.98) IL (71) Applicants (for all designated States except US): MAKHT-ESHIM CHEMICAL WORKS LTD. [IL/IL]; P.O. Box 60, 84100 Beer Sheva (IL). TEFF, Jennifer [IL/IL]; Moav Street 6/12, 89031 Arad (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): B. JEHUDA, Nir [IL/IL]; Maale Avshalom Street 17, 36094 Kiryat Tivon (IL). MARGALIT, Eliahu [IL/IL]; Kibbutz Bror-Chail, 79152 D.N. Hof Ashqelon (IL). (74) Common Representative: TEFF, Jennifer; Makhteshim Chemical Works Ltd., P.O. Box 60, 84100 Beer Sheva (IL).			(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: ENVIRONMENTALLY COMPATIBLE PROCESSES COMPOSITIONS AND MATERIALS TREATED THEREBY

(57) Abstract

The present invention relates to environmentally friendly processes and compositions for prevention of qualitative deterioration and quantitative loss of plant matter and foodstuffs, during all stages of storage and handling, including pre- and post-harvest, pre- and post-planting, distribution and marketing. The processes and compositions of the present invention can also be used to prevent sprouting and rooting, and to promote fecundity of certain plant matter. The processes and compositions of the present invention can also be used to eliminate or reduce quantities of harmful organisms and substances from soil, other growth media and substrates, equipment, materials, water, workspaces and surfaces.